

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of:** Keefer et al.

**Application No.** 10/620,262

**Filed:** July 14, 2003

**Confirmation No.** Not yet assigned

**For:** MODULAR PRESSURE SWING  
ADSORPTION APPARATUS

**Examiner:** Not yet assigned

**Art Unit:** Not yet assigned

**Attorney Reference No.** 6454-66361

**CERTIFICATE OF MAILING**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney  
for Applicant(s)

Date Mailed November 26, 2003

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450

Listed on the accompanying form PTO-1449 are several English-language documents and one Japanese-language document. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS. However, if the Patent Office determines that a fee is required for Applicants to file this IDS, please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

The present application was filed after June 30, 2003. Thus, copies of the U.S. patents cited on the accompanying form PTO-1449 are not enclosed. Copies of other documents listed on the accompanying form PTO-1449 are enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Relevance of Non-English Language Document

Japan Patent No. JP-56-150, 418 A is cited for disclosing an apparatus for treating combustion exhaust gas. The relevance of this document is as stated in the enclosed English-language abstract.

Respectfully submitted,

KLARQUIST SPARKMAN, LLP

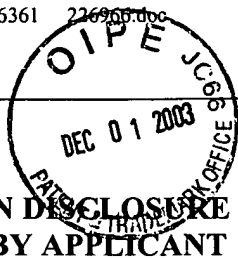
By



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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

<b>Attorney Docket Number</b>	6454-66361
<b>Application Number</b>	10/620,262
<b>Filing Date</b>	July 14, 2003
<b>First Named Inventor</b>	Keefer
<b>Art Unit</b>	Not yet assigned
<b>Examiner Name</b>	Not yet assigned

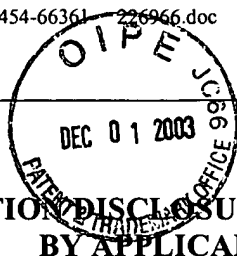
## U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Name
		1,602,500	10-1926	Nuss
		2,053,159	09-1936	Miller
		2,286,920	06-1942	Miller
		2,541,694	02-1951	Galson
		2,639,000	05-1953	Edwards
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		4,452,612	06-1984	Mattia, Manlio M.
		4,589,892	05-1986	Leonard, David M.
		4,702,903	10-1987	Keefer, Bowie G.
		4,732,579	03-1988	Veltman et al.
		4,758,253	07-1988	Davidson et al.
		4,863,497	09-1989	Grenier et al.
		5,017,202	05-1991	Ogata et al.
		5,057,128	10-1991	Panzica et al.
		5,133,784	07-1992	Boudet et al.
		5,238,052	08-1993	Chagnot, Bruce J.

EXAMINER  
SIGNATURE:

DATE  
CONSIDERED:

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



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## U.S. PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Name
		5,246,676	09-1993	Hay, Leon
		5,256,172	10-1993	Keefer, Bowie G.
		5,393,326	02-1995	Engler et al.
		5,431,716	07-1995	Ebbeson, Bengt
		5,441,559	08-1995	Petit et al.
		5,912,426	06-1999	Smolarek et al.
		5,942,203	08-1999	Van Dijk et al.
		6,051,050	04-2000	Keefer et al.
		6,056,804	05-2000	Keefer et al.
		6,451,095	09-2002	Keefer et al.

## FOREIGN PATENT DOCUMENTS

Examiner's Initials*	Cite No. (optional)	Number	Date	Country
		JP-56-150,418 A (English abstract attached)	11-1981	Japan
		WO 93/20925 A	10-1993	WIPO
		WO 94/04249 A	03-1994	WIPO

EXAMINER  
SIGNATURE:

DATE  
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\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.



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**TRANSMITTAL LETTER**

Enclosed for filing in the application referenced above are the following:

- ☒ Information Disclosure Statement
- ☒ Form 1449 listing cited documents
- ☒ The Director is hereby authorized to charge any additional fees that may be required, or credit overpayment, to Deposit Account No. 02-4550. A copy of this sheet is enclosed.
- ☒ Please return the enclosed postcard to confirm that the items listed above have been received.

Respectfully submitted,

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cc: Docketing